

# **RBH INWALL SUBWOOFER INSTALLATION AND INSTRUCTION MANUAL**

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Congratulations on your purchase of the RBH MCS-88 subwoofer! Your subwoofer is the result of many years of research and development dedicated to producing high quality products for home audio and audio/video systems. This manual is designed to give you, the installer or owner, basic information as to the subwoofers installation and operation.

## **TECHNOLOGY**

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At the heart of the MCS-88 is a proprietary aluminum woofer. The special aluminum cone combines stiffness, low mass and self damping properties in a manner that allows virtually uncolored presentation of program material. A powerful magnet and extended voice coil give the woofers high excursion capability, which ensures accurate dynamic reproduction.

## **CROSSOVER**

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The MCS-88 utilizes a defeatable crossover network. This crossover is fixed at 100Hz low-pass when the switch is set to “On”; the subwoofer will then only play frequencies 100Hz and below. All frequencies above 100 Hz will be reduced by 12dB per octave. When set to “Off”, the subwoofer will play the full range of frequencies. This switch should be in the “On” position when the signal sent to the subwoofer is ‘full-range’ or not previously filtered through a crossover. The switch should be set to “Off” when the signal sent to the subwoofer is coming from a source using a crossover, such as the subwoofer pre-out from some receivers or pre-amplifiers. Please refer to your receiver or pre-amplifier owners manual for proper bass management settings information. This will ensure that the subwoofer is not receiving a signal filtered through two crossovers. We suggest consulting with your installer, or experimenting with the crossover on and off to determine which is best for your system.

## **PAINTING**

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RBH in-wall subwoofer frames and grilles can be painted any color to match any decor. A plastic paint shield is supplied and placed inside the grille to protect the speaker from becoming damaged during painting. **PLEASE NOTE: This plastic paint shield must be removed before operation of the speaker begins.**

## INSTALLATION

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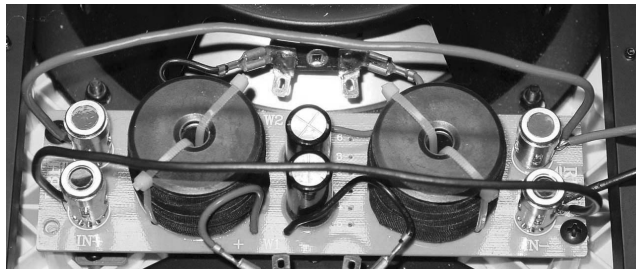
RBH in-wall subwoofers have been designed to make installation as easy as possible. Upon opening the box you will notice that the retrofit nylon mounting bracket is attached to the subwoofer.

To install, slide the top of the black pinch ring into the drywall cutout opening so the subwoofer bezel is on the outside of the drywall and the nylon retrofit bracket is on the inside. Slide the bottom of the subwoofer into the drywall the same way, then tighten the screws. This will cause the nylon bracket to “pinch” the drywall and will hold the speaker firmly in place. If using a drill/driver, set the clutch to a low setting to prevent overtightening and possible damage to the frame. If using hand tools, tighten just until firm. A cutout template is supplied with the subwoofer for your convenience in cutting the drywall.

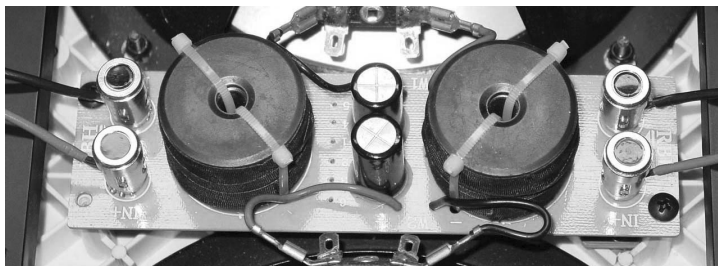
## WIRING

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When wiring from a mono amplifier, connect both the positive and negative leads to the same set of terminals, then run a set of speaker wire to the opposite set of terminals, observing polarity. This will connect the woofers in parallel for a total of a 4 Ohm load. This is shown in the picture below. A series connection may also be used, creating a 16 Ohm load.



When wiring from a stereo amplifier, connect one set of leads to each set of terminals, observing proper polarity. This will connect each woofer individually as an 8 Ohm load. This is shown in the picture below.



## **INWALL SUBWOOFER SPECIFICATIONS**

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Frequency Range: 35-180 Hz

Sensitivity: 90dB 1w/1m

Recommended Amplifier Power: 50-200 Watts

Drive Units: 2- 8" aluminum cone woofers

Crossover Frequency: 100 Hz (low-pass - "On")

Filter Slope: 12dB per octave

Impedance: 8 Ohms (each driver)

Finished Dimensions: 18 $\frac{3}{4}$ "H x 10 $\frac{1}{4}$ "W x 3 $\frac{1}{2}$ "D

Cutout Dimensions: 17 $\frac{1}{2}$ "H x 9"D

Weight: 10 Lbs.

## WARRANTY

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Your RBH Sound in-wall subwoofer is covered by a limited warranty against defects in materials and workmanship for a period of twenty-five (25) years from the original date of purchase. This warranty is provided by the authorized RBH Sound dealer where the loudspeaker was purchased. Warranty repair will be performed only when your purchase receipt is presented as proof of ownership and date of purchase. Defective parts will be repaired or replaced without charge by your dealer's store or the location designated by your dealer that is authorized to service RBH products. Charges for unauthorized service and transportation cost are not reimbursable under this warranty. This warranty becomes void if the product has been damaged by alteration, misuse or neglect. The warrantor assumes no liability for property damage or any other incidental or consequential damage whatsoever which may result from the failure of this product. Any and all warranties of merchantability and fitness implied by law are limited to the duration of this express warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.



REDEFINING THE WAY YOU EXPERIENCE SOUND